



## **NOAA in Your Backyard – The New England Region**

*Educational Opportunities and Education/Outreach Specialists for ME, VT, NH, MA, RI, and CT*

### **NOAA in Your State – State by State Listings of NOAA Facilities and Programs**

*\* A summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory.*

- <http://www.legislative.noaa.gov/NIYS/>

### **National Weather Service – School Visits, Forecast Office Tours, Student and Educator Resources**

*\* The National Weather Service provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas.*

- **Caribou Weather Forecast Office (Caribou, ME)** – <http://www.weather.gov/car/>  
Contact: Donald Dumont (Warning Coordination Meteorologist) - [donald.dumont@noaa.gov](mailto:donald.dumont@noaa.gov)
- **Gray/Portland Weather Forecast Office (Gray, ME)** – <http://www.weather.gov/gyx/>  
Contact: Stacie Hanes (Meteorologist) - [stacie.hanes@noaa.gov](mailto:stacie.hanes@noaa.gov)
- **Burlington Weather Forecast Office (Burlington, VT)** – <http://www.weather.gov/btv/outreach>  
Contact: Scott Whittier (Warning Coordination Meteorologist) - [scott.whittier@noaa.gov](mailto:scott.whittier@noaa.gov)
- **Boston/Taunton Weather Forecast Office (Boston, MA)** – <http://www.weather.gov/box/>  
Contact: Eleanor Vallier-Talbot (Meteorologist/Outreach Leader) - [eleanor.vallier-talbot@noaa.gov](mailto:eleanor.vallier-talbot@noaa.gov)
- **Albany Weather Forecast Office (Albany, NY – covers Western CT, MA, and VT)** – <http://www.weather.gov/aly/>  
Contact: Stephen Dirienzo (Warning Coordination Meteorologist) - [stephen.dirienzo@noaa.gov](mailto:stephen.dirienzo@noaa.gov)

### **National Estuarine Research Reserve System – Field Trips, Professional Development, Educator Resources**

*\* The National Estuarine Research Reserves System protects more than 1.3 million coastal and estuarine acres in 28 reserves located in 22 states and Puerto Rico for purposes of long-term research, environmental monitoring, education and stewardship.*

- **National Websites** – [www.nerrs.noaa.gov](http://www.nerrs.noaa.gov) and [www.estuaries.noaa.gov](http://www.estuaries.noaa.gov)
- **Wells Reserve (ME)** – <http://www.wellsreserve.org/education/>  
Contact: Suzanne Kahn (Education Director) - [suzanne@wellsnerr.org](mailto:suzanne@wellsnerr.org)
- **Great Bay Reserve (NH)** – <http://www.greatbay.org/programs/education.htm>  
Contact: Kelle Loughlin (Education Coordinator) - [Kelle.Loughlin@wildlife.nh.gov](mailto:Kelle.Loughlin@wildlife.nh.gov)
- **Waquoit Bay Reserve (MA)** – <http://www.waquoitbayreserve.org/education-training/education-programs/>  
Contact: Joan Muller (Education Coordinator) - [Joan.Muller@state.ma.us](mailto:Joan.Muller@state.ma.us)
- **Narragansett Bay (RI)** – <http://www.nbnerr.org/education.htm>  
Contact: Maureen Dewire (Education Coordinator) - [maureen@nbnerr.org](mailto:maureen@nbnerr.org)

### **National Marine Fisheries in New England – Student Opportunities, Laboratory Facilities, NOAA Scientists**

*\* The NOAA Fisheries Service is dedicated to the stewardship of living marine resources through science-based conservation and management, and the promotion of healthy ecosystems. They have regional offices and several smaller field offices.*

- **National Website** – [www.nmfs.noaa.gov/stories/2012/10/noaa\\_fisheries\\_education.html](http://www.nmfs.noaa.gov/stories/2012/10/noaa_fisheries_education.html)
- **Greater Atlantic Regional Office (headquarters in Gloucester, MA)** – <http://www.greateratlantic.fisheries.noaa.gov>  
Contact: Colleen Coogan (Education and Outreach Specialist) - [colleen.coogan@noaa.gov](mailto:colleen.coogan@noaa.gov)  
**New England Field Office:** Orono, ME
- **Northeast Fisheries Science Center (headquarters in Woods Hole, MA)** – <http://www.nefsc.noaa.gov>  
Contact: Dr. Ambrose Jearld (Chief: Academic Programs Office) - [ambrose.jearld@noaa.gov](mailto:ambrose.jearld@noaa.gov)  
**New England Laboratory Facilities:** Orono, ME; East Falmouth, MA; Narragansett, RI; and Milford, CT
- **SCUTES – Students Collaborating to Undertake Tracking Efforts for Sturgeon**  
<http://www.greateratlantic.fisheries.noaa.gov/protected/scutes/index.html>  
Contact: Kimberly Damon-Randall (SCUTES Head) - [kimberly.damon-randall@noaa.gov](mailto:kimberly.damon-randall@noaa.gov)

## **NOAA National Marine Sanctuaries – Field Trips, Professional Development, Educator Resources**

*\*The NOAA Office of National Marine Sanctuaries (13 National Marine Sanctuaries and one Marine National Monument) serves as the trustee for the nation's system of marine protected areas, to conserve, protect and enhance their biodiversity, ecological integrity and cultural legacy.*

- **National Website** – <http://sanctuaries.noaa.gov/education/welcome.html>
- **Stellwagen Bank National Marine Sanctuary (MA)** – <http://stellwagen.noaa.gov>  
Contact: Anne I. Smrcina (Education Coordinator) - [anne.smrcina@noaa.gov](mailto:anne.smrcina@noaa.gov)

## **National Sea Grant Program – Professional Development, Curriculum, Student and Educator Resources**

*\*Sea Grant is a nationwide network of 32 university-based programs that conduct scientific research, education, training, and extension projects designed to foster science-based decisions about the use and conservation of our aquatic resources.*

- **Connecticut Sea Grant** – <http://web2.uconn.edu/seagrant/whatwedo/marineed/index.php>  
Contact: Diana Payne (Education Coordinator) - [diana.payne@uconn.edu](mailto:diana.payne@uconn.edu)
- **Lake Champlain Sea Grant** – <http://www.uvm.edu/seagrant/outreach-education>  
Contact: Erin De Vries (Aquatic Science Literacy Educator) – [erin.devries@uvm.edu](mailto:erin.devries@uvm.edu)
- **Maine Sea Grant** – <http://www.seagrant.umaine.edu/education>  
Contact: Beth Bisson (Assistant Director) - [beth.bisson@maine.edu](mailto:beth.bisson@maine.edu)
- **MIT Sea Grant** – [http://seagrant.mit.edu/index\\_outreach.php](http://seagrant.mit.edu/index_outreach.php)  
Contact: Kathryn Shroyer (Engineering Educator) - [kshroyer@mit.edu](mailto:kshroyer@mit.edu)
- **New Hampshire Sea Grant** – <http://seagrant.unh.edu/marine-education>  
Contact: Mark Wiley (Assistant Director for Education) - [mark.wiley@unh.edu](mailto:mark.wiley@unh.edu)
- **Rhode Island Sea Grant** – <http://seagrant.gso.uri.edu>  
Contact: Pamela Rubinoff (Extension Specialist) - [rubi@crc.uri.edu](mailto:rubi@crc.uri.edu)
- **Woods Hole Sea Grant** – <http://web.whoi.edu/seagrant/outreach-education/>  
Contact: Katherine Madin (Marine Educator) - [kmadin@whoi.edu](mailto:kmadin@whoi.edu)

## **Integrated Ocean Observing System (IOOS) – Curriculum, Real World Data, and Multimedia**

*\*The Northeastern Regional Association of Coastal and Ocean Observing System's (NERACOOS) mission is to lead the development, implementation, operation, and evaluation of a sustained, regional coastal ocean observing system for the northeast United States and Canadian Maritime provinces.*

- **IOOS National Website** – [www.ioos.noaa.gov/education/welcome.html](http://www.ioos.noaa.gov/education/welcome.html)
- **NERACOOS (Portsmouth, NH)** – <http://www.neracoos.org/education>  
Contact: Tom Shyka (Outreach and Communications Specialist) - [tom@neracoos.org](mailto:tom@neracoos.org)

## **New England B-WET – Competitive Grants for Educator Watershed Training Programs**

*\* B-WET is an environmental education program that promotes locally relevant, experiential learning in the K-12 environment.*

- **National Website** – <http://www.oesd.noaa.gov/grants/bwet.html#page=about>
- **New England B-WET** – [http://www.greateratlantic.fisheries.noaa.gov/educational\\_resources/bwet/](http://www.greateratlantic.fisheries.noaa.gov/educational_resources/bwet/)  
Contact: Colleen Coogan (Education and Outreach Specialist) - [colleen.coogan@noaa.gov](mailto:colleen.coogan@noaa.gov)

## **National Ocean Science Bowl – Regional Competitions in the Ocean Sciences**

*\* The NOSB is a national high school academic competition with regional competitions for student teams to test their knowledge of the marine sciences including biology, chemistry, physics, and geology.*

- **National Website** – <http://nosb.org>
- **Nor'easter Bowl (ME/NH)** – <http://www.seagrant.umaine.edu/education/NOSB>  
Contact: Katie Clegg (Region Coordinator) - [umaine.noreaster.bowl@gmail.com](mailto:umaine.noreaster.bowl@gmail.com)
- **Blue Lobster Bowl (MA)** – <http://seagrant.mit.edu/blb.php>  
Contact: Liz Brooks (Region Coordinator) - [blb@mit.edu](mailto:blb@mit.edu)
- **Quahog Bowl (CT/RI)** – <http://seagrant.uconn.edu/whatwedo/marineed/quahog.php>  
Contact: Diana Payne (Region Coordinator) - [diana.payne@uconn.edu](mailto:diana.payne@uconn.edu)

### **Cooperative Institute for the North Atlantic Region (CINAR) – Student Opportunities, Real-time Data**

*\*The mission of CINAR is to conduct and coordinate cutting-edge research engaging both NOAA and academic scientists to enable informed decisions by NOAA for sustainable and beneficial management of the northwestern Atlantic shelf ecosystem.*

- **Located in Woods Hole, MA** – <http://cinar.org/page.do?pid=46418>
- **Contact:** Ann Stone (Administrative Associate) - [astone@whoi.edu](mailto:astone@whoi.edu)

### **Centers for Ocean Science Education Excellence (COSEE) – Workshops, Resources, Connect to Scientists**

*\*COSEE is a network of over 270 institutional partners with the mission to spark and nurture collaborations among research scientists and educators to advance ocean discovery and make known the vital role of the ocean in our lives. (Most information is archived)*

- **National Website** – <http://www.cosee.net/>
- **COSEE Ocean Systems (ME)** – <http://cosee.umaine.edu/>  
Contact: Annette DeCharon (Director/ Principal Investigator) - [annette.decharon@maine.edu](mailto:annette.decharon@maine.edu)
- **COSEE Technology and Engineering for Knowledge – TEK (CT)** – <http://www.coseetek.net/>  
Contact: Lauren Rader (Co-Principal Investigator) - [lrader@oceanology.org](mailto:lrader@oceanology.org)
- **COSEE OCEAN (MA)** – <http://www.coseeocean.net/>  
Contact: Kristin Uiterwyk (Project Manager) - [kristin.uiterywyk@umb.edu](mailto:kristin.uiterywyk@umb.edu)

### **Local NOAA Vessels – Follow Current Science in the Atlantic Ocean**

- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) – <http://teacheratsea.noaa.gov/>
- **NOAA Ship Henry B. Bigelow** (Newport, RI) – <http://www.moc.noaa.gov/hb/index.htm>
- **NOAA Ship Ferdinand R. Hassler** (New Castle, NH) – <http://www.moc.noaa.gov/fh/index.html>
- **NOAA Ship Okeanos Explorer** (North Kingstown, RI) – <http://www.moc.noaa.gov/oe/index.html>

### **Local Weather Events – Local Historical Weather Data**

- **Historical Burlington Weather Events** – <http://www.weather.gov/btv/recentwx>
- **Caribou, ME Top 10 Weather Lists** – <http://www.weather.gov/car/CaribouTop10>
- **Portland, ME Coastal Front Weather Newsletter** – [http://www.weather.gov/gyx/skywarn\\_index.htm](http://www.weather.gov/gyx/skywarn_index.htm)
- **Southern New England Significant Weather Events** – <http://www.erh.noaa.gov/box/pnsevents/wxeventsCalendar.php>
- **Boston/Southern New England Hurricane History** – <http://www.erh.noaa.gov/box/HurricaneInfo.shtml>
- **New England Effects from Hurricane Sandy** –  
[http://www.weather.gov/media/box/officePrograms/science/Sandy\\_summary\\_BOX.pdf](http://www.weather.gov/media/box/officePrograms/science/Sandy_summary_BOX.pdf)
- **Searchable Storm Events Database** – <http://www.ncdc.noaa.gov/stormevents/>

### **New England Data Resources – Historical and Real-Time Data**

- **Northeast Recent Marine Data** – <http://www.ndbc.noaa.gov/maps/Northeast.shtml>
- **NOWData – Archived Weather/Climate Data** – <http://www.nws.noaa.gov/climate/xmacis.php?wfo=box>
- **Northeast River Forecast Center** – <http://www.weather.gov/nerfc/>
- **Southern New England Surf Zone Forecast** – <http://www.erh.noaa.gov/box/srfDisplay.php>
- **Tide Predictions Map** – <http://tidesandcurrents.noaa.gov/gmap3/index.shtml?type=TidePredictions&region>
- **Narragansett Bay PORTS (Physical Oceanographic Real-Time System)** –  
<http://tidesandcurrents.noaa.gov/ports/index.html?port=nb>
- **Northeast Graphical Weather Forecasts** – <http://graphical.weather.gov/sectors/northeast.php>
- **Real-Time NE Ocean Data Portal** – [http://neracoos.org/realtime\\_map](http://neracoos.org/realtime_map)
- **Wave and Water Level Forecast Viewer** – <http://neracoos.org/datatools/forecast/modelobs>
- **NE Satellite Sea Surface Temperature Images** – <http://neracoos.org/datatools/realtime/SST>
- **National Seasonal Drought Outlook** – [http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/sdo\\_summary.html](http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.html)
- **Maine Fire Weather Forecast** – <http://www.weather.gov/car/fire>
- **Commercial Fisheries Statistics** – <http://www.st.nmfs.noaa.gov/commercial-fisheries/commercial-landings/annual-landings/>
- **Weekly Fisheries Landings Reports** – [http://www.greateratlantic.fisheries.noaa.gov/ro/fso/reports/reports\\_frame.htm](http://www.greateratlantic.fisheries.noaa.gov/ro/fso/reports/reports_frame.htm)

**NOAA Science On a Sphere® (SOS) Locations – Earth Systems Data Shown on a 6-foot Globe**

*\* SOS is a room-sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. It was developed by researchers at NOAA to help illustrate complex environmental processes (atmospheric storms, ocean currents, climate change, etc...) in a captivating way.*

- Ocean Explorium (New Bedford, MA) – <http://www.oceanexplorium.org/>
- St. Paul's School (Concord, NH) – <http://sps.edu/>